

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 1.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-013943**Date Inspected:** 12-May-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 730**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1600**Contractor:** American Bridge/Fluor Enterprises, a JV**Location:** Job Site**CWI Name:** Chuck Kanapicki**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** Orthotropic Box Girders**Summary of Items Observed:**

The Quality Assurance Inspector (QAI), Scott Croff, was present at the Self Anchored Span (SAS) job site to observe the scheduled fabrication and welding of components for the SFOBB project.

The QAI assisted in performing the post arrival inspection of the Orthotropic Box Girder (OBG) segment 6W.

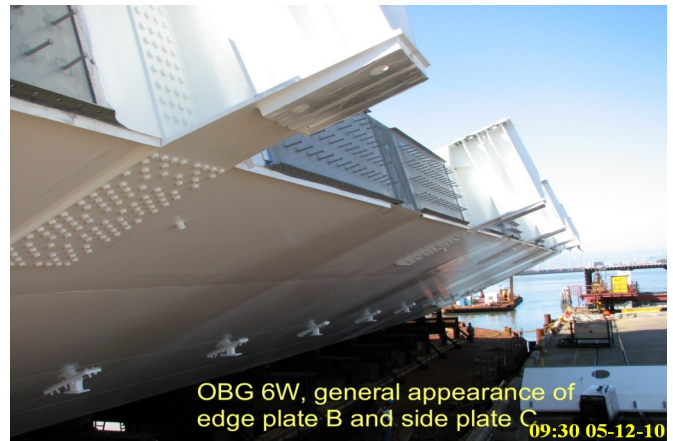
The QAI made observations of the interior panel points from 42 to 47, the accessible exterior surfaces (deck plate A, edge plate B, side plate C and bottom plate D) all panel points. The QAI reviewed the shipping / fastening plan and noted where the shoring, longitudinal sea fasteners and lateral sea fasteners made contact with the bottom and side plates of the OBG segment. The QAI noted that there are still temporary shoring components installed in the OBG segment. The QAI noted the presence of standing water inside the OBG, several bent studs where the counter weights will be placed and general marring of the finish coat paint where shipping supports made contact with the surface. The QAI observed apparent shipping damage to the edge plate B and side plate C at panel point 37, line W2. The side plate base metal appears to have been impacted and has been smeared and distorted. This condition is approximately 150mm long. The QAI also noted that the drip plate along side plate C has been bent in several locations and the finish coat of paint is peeling off at the bent areas. The QAI did not observe any other shipping related damage to the OBG segment. See the attached photos. The QAI relayed this information to the QAI Robert Mertz, ABF Quality Control Manager Chuck Kanapicki and Transportation Engineer Thanh Le. They agreed that there appears to be shipping damage, as it is partially visible from the pier. The QAI noted that there may be access to examine the remaining exterior surfaces (side plate E and edge plate F) at a later time.

The QAI reviewed contract related documents including the submitted and approved Welding Quality Control Plan (WQCP) and approved revisions to the WQCP and newly issued ABFJV non-conformance reports. The QAI

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updated the records of the non-conforming incident reports and also the contractor's submitted requests for information. The QAI continued reviewing the contractor's submitted welding reports, submittal # 1536 Revision 4. The review was in progress at the end of this shift.



Summary of Conversations:

The QAI informed the Structural Materials Representative Mohammad Fatemi of the observations from the receiving inspection of OBG 6W. The QAI had other general conversations with ABF and Caltrans personnel during this shift. Except as described above, there were no other notable conversations or observations.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Mohammad Fatemi, (916)813-3677, who represents the Office of Structural Materials for your project.

Inspected By: Croff, Scott

Quality Assurance Inspector

Reviewed By: Levell, Bill

QA Reviewer